

10IB - CHAPTER 1 REVIEW NAME: _____ EX: 1.1

This review package can be completed as we work through the chapter or at the latest the night before the review class for the chapter test. Use it as an on-going review or as a study booklet right before the test. The answers will be posted during the review class before the chapter test.

Convert the following:

a) 79 yd. to ft.

b) 5333 ft. to miles, yards
and feet

Maggie is getting concrete curbing for her flowerbeds. The perimeter is 82 ft. If the poured concrete is sold by the yard at \$12.50/yd., find her total cost before taxes.

A model train has a scale of 1:400. The model is $60\frac{3}{5}$ inches long. What is the length of real train in feet?

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Convert to the nearest tenth:

a) 27 in. to cm

b) 143 km to miles

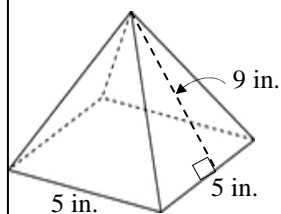
A backyard measures 40 ft. by 25 ft. Find the perimeter in metres.

Brian ran six laps around a 400 yd. track. Miguel ran a 2 km race. Who ran further and by how much?

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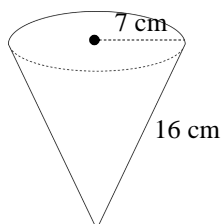
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- a) Determine the lateral area of the right pyramid to the nearest square unit.



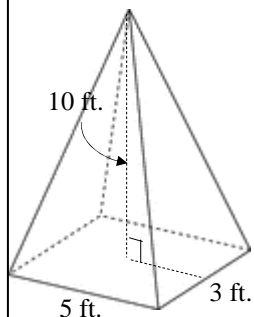
- b) Determine the surface area of the same right pyramid to the nearest square unit.

- a) Determine the lateral area of the right cone to the nearest square unit.



- b) Determine the surface area of the same right cone to the nearest square unit.

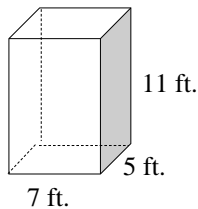
Determine the surface area of the rectangular pyramid to the nearest square unit.



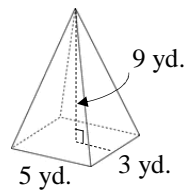
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Calculate the following volumes to nearest cubic unit.

a) rectangular prism

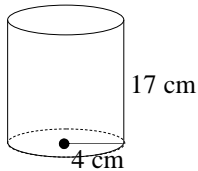


b) rectangular pyramid

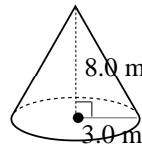


Calculate the following volumes to nearest cubic unit.

a) right cylinder



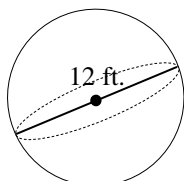
b) right cone



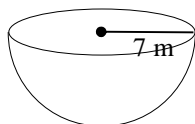
A right cone has a slant height of 15 yd. and a base diameter of 10 yd. Sketch the cone and determine its volume to the nearest cubic yard.

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Determine the surface area of the given sphere to the nearest square unit.

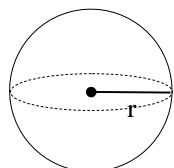


Determine the surface area of the given hemisphere to the nearest square unit.



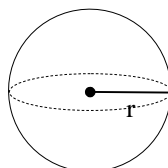
Given the surface area and volume of two spheres. Find the radius of each to the nearest unit.

a)



$$SA = 1521 \text{ in}^2$$

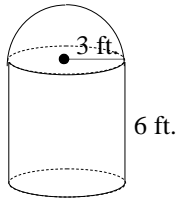
b)



$$V = 113 \text{ m}^3$$

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Determine the surface area of this composite object to the nearest square foot.



Determine the volume of this composite object to the nearest tenth of a cubic metre.

